

WHAT IS CLAIMED IS:

CLAIMS:

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1. A method of detecting a watermark in a compressed video signal comprising spectral coefficients obtained by transforming pictures of said video signal, characterized in that the method comprises the steps of:

- accumulating spatially corresponding coefficients of a plurality of pictures;
- 5 – inverse transforming said accumulated coefficients into an accumulated plurality of pictures; and
- detecting the watermark in said accumulated plurality of pictures.

2. A method as claimed in claim 1, wherein said encoded video signal
10 includes predictively encoded pictures each comprising coefficients representing a residual picture after subtracting a prediction picture, the step of accumulating coefficients being applied to the coefficients representing said residual pictures irrespective of coefficients representing the prediction picture.

15 3. A method as claimed in claim 2, wherein said predictively encoded pictures further include motion vectors, the step of accumulating coefficients being carried out irrespective of said motion vectors.

4. An arrangement for detecting a watermark in a compressed video
20 signal comprising spectral coefficients obtained by transforming pictures of said video signal, characterized in that the arrangement comprises:

- means (2,3,4) for accumulating spatially corresponding coefficients of a plurality of pictures;
- means (5) for inverse transforming said accumulated coefficients into an accumulated
25 plurality of pictures; and
- means (6) for detecting the watermark in said accumulated plurality of pictures.

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5. An arrangement for decoding a compressed video signal comprising spectral coefficients obtained by transforming pictures of said video signal, characterized in that the arrangement comprises:

- means (2,3,4) for accumulating spatially corresponding coefficients of a plurality of pictures; and
- means (5) for inverse transforming said accumulated coefficients into an accumulated plurality of pictures.

6. A device for recording and/or playing back a compressed video signal, comprising means (32) for disabling recording and/or playback of the video signal in dependence upon the presence of a watermark in said video signal, characterized in that the device comprises an arrangement (36) as claimed in claim 4 for detecting said watermark in the video signal.

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